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RAW SEQUENCE LISTING

DATE: 08/23/2002

PATENT APPLICATION: US/09/499,553

TIME: 12:06:01

Input Set : N:\Crif3\RULE60\09499553.raw

Output Set: N:\CRF3\08232002\I499553.raw

SEQUENCE LISTING

ENTERED

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: ENTERPRISES, LTD., QBI

6 Deiss, Louis P.

7 Yehiely, Fruma

8 Efimova, Elena

9 Vasquez-Iaslop, Nora C.

10 Einat, Paz

12 (ii) TITLE OF INVENTION: GENE IDENTIFICATION METHOD

14 (iii) NUMBER OF SEQUENCES: 36

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: Kohn & Associates

18 (B) STREET: 30500 Northwestern Highway, Suite 410

19 (C) CITY: Farmington Hills

20 (D) STATE: Michigan

21 (E) COUNTRY: US

22 (F) ZIP: 48334

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Floppy disk

26 (B) COMPUTER: IBM PC compatible

27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

30 (vi) CURRENT APPLICATION DATA:

C--> 31 (A) APPLICATION NUMBER: US/09/499,553

C--> 32 (B) FILING DATE: 07-Feb-2000

33 (C) CLASSIFICATION:

37 (vii) PRIOR APPLICATION DATA:

38 (A) APPLICATION NUMBER: US/09/294,782

39 (B) FILING DATE:

42 (viii) ATTORNEY/AGENT INFORMATION:

43 (A) NAME: Montgomery, Ilene N.

44 (B) REGISTRATION NUMBER: 38,972

45 (C) REFERENCE/DOCKET NUMBER: 0168-00022

47 (ix) TELECOMMUNICATION INFORMATION:

48 (A) TELEPHONE: (248) 539-5050

49 (B) TELEFAX: (248) 539-5055

52 (2) INFORMATION FOR SEQ ID NO: 1:

54 (i) SEQUENCE CHARACTERISTICS:

55 (A) LENGTH: 17 base pairs

56 (B) TYPE: nucleic acid

57 (C) STRANDEDNESS: single

58 (D) TOPOLOGY: linear

60 (ii) MOLECULE TYPE: other nucleic acid

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61      (A) DESCRIPTION: /desc = "Primer"
63      (iii) HYPOTHETICAL: NO
65      (iv) ANTI-SENSE: NO
70      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72 TCTGTAGGTA GTTTGTC 17
74 (2) INFORMATION FOR SEQ ID NO: 2:
76      (i) SEQUENCE CHARACTERISTICS:
77          (A) LENGTH: 19 base pairs
78          (B) TYPE: nucleic acid
79          (C) STRANDEDNESS: single
80          (D) TOPOLOGY: linear
82      (ii) MOLECULE TYPE: other nucleic acid
83          (A) DESCRIPTION: /desc = "Primer"
88      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
90 TGGAGGCCTA GGCTTTTGC 19
92 (2) INFORMATION FOR SEQ ID NO: 3:
94      (i) SEQUENCE CHARACTERISTICS:
95          (A) LENGTH: 23 base pairs
96          (B) TYPE: nucleic acid
97          (C) STRANDEDNESS: single
98          (D) TOPOLOGY: linear
100     (ii) MOLECULE TYPE: other nucleic acid
101         (A) DESCRIPTION: /desc = "Primer"
106     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
108 GTAAGGTTCC TTCACAAGGA TCC 23
110 (2) INFORMATION FOR SEQ ID NO: 4:
112     (i) SEQUENCE CHARACTERISTICS:
113         (A) LENGTH: 45 base pairs
114         (B) TYPE: nucleic acid
115         (C) STRANDEDNESS: single
116         (D) TOPOLOGY: linear
118     (ii) MOLECULE TYPE: other nucleic acid
119         (A) DESCRIPTION: /desc = "Primer"
124     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
126 CTAATACGAC TCACTATAGG GCTCGAGCGG CCGCCCGGGC AGGTA 45
128 (2) INFORMATION FOR SEQ ID NO: 5:
130     (i) SEQUENCE CHARACTERISTICS:
131         (A) LENGTH: 45 base pairs
132         (B) TYPE: nucleic acid
133         (C) STRANDEDNESS: single
134         (D) TOPOLOGY: linear
136     (ii) MOLECULE TYPE: other nucleic acid
137         (A) DESCRIPTION: /desc = "Primer"
142     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
144 CTAATACGAC TCACTATAGG GCTCGAGCGG CCGCCCGGGC AGGTG 45
146 (2) INFORMATION FOR SEQ ID NO: 6:
148     (i) SEQUENCE CHARACTERISTICS:
149         (A) LENGTH: 43 base pairs
150         (B) TYPE: nucleic acid

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151         (C) STRANDEDNESS: single
152         (D) TOPOLOGY: linear
154     (ii) MOLECULE TYPE: other nucleic acid
155         (A) DESCRIPTION: /desc = "Primer"
160     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
162 CTAATACGAC TCACTATAGG GCAGCGTGGT CGCGGCCGAG GTG      43
164 (2) INFORMATION FOR SEQ ID NO: 7:
166     (i) SEQUENCE CHARACTERISTICS:
167         (A) LENGTH: 15 base pairs
168         (B) TYPE: nucleic acid
169         (C) STRANDEDNESS: single
170         (D) TOPOLOGY: linear
172     (ii) MOLECULE TYPE: other nucleic acid
173         (A) DESCRIPTION: /desc = "Primer"
178     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
180 AGCTTACCTG CCCGG      15
182 (2) INFORMATION FOR SEQ ID NO: 8:
184     (i) SEQUENCE CHARACTERISTICS:
185         (A) LENGTH: 15 base pairs
186         (B) TYPE: nucleic acid
187         (C) STRANDEDNESS: single
188         (D) TOPOLOGY: linear
190     (ii) MOLECULE TYPE: other nucleic acid
191         (A) DESCRIPTION: /desc = "Primer"
196     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
198 GATCCACCTG CCCGG      15
200 (2) INFORMATION FOR SEQ ID NO: 9:
202     (i) SEQUENCE CHARACTERISTICS:
203         (A) LENGTH: 22 base pairs
204         (B) TYPE: nucleic acid
205         (C) STRANDEDNESS: single
206         (D) TOPOLOGY: linear
208     (ii) MOLECULE TYPE: other nucleic acid
209         (A) DESCRIPTION: /desc = "Primer"
214     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
216 CTAATACGAC TCACTATAGG GC      22
218 (2) INFORMATION FOR SEQ ID NO: 10:
220     (i) SEQUENCE CHARACTERISTICS:
221         (A) LENGTH: 22 base pairs
222         (B) TYPE: nucleic acid
223         (C) STRANDEDNESS: single
224         (D) TOPOLOGY: linear
226     (ii) MOLECULE TYPE: other nucleic acid
227         (A) DESCRIPTION: /desc = "Primer"
232     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
234 TCGAGCGGCC GCCCGGGCAG GT      22
236 (2) INFORMATION FOR SEQ ID NO: 11:
238     (i) SEQUENCE CHARACTERISTICS:
239         (A) LENGTH: 20 base pairs

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240      (B) TYPE: nucleic acid
241      (C) STRANDEDNESS: single
242      (D) TOPOLOGY: linear
244      (ii) MOLECULE TYPE: other nucleic acid
245      (A) DESCRIPTION: /desc = "Primer"
250      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
252 AGCGTGGTTCG CGGCCGAGGT                                20
254 (2) INFORMATION FOR SEQ ID NO: 12:
256      (i) SEQUENCE CHARACTERISTICS:
257          (A) LENGTH: 15 base pairs
258          (B) TYPE: nucleic acid
259          (C) STRANDEDNESS: single
260          (D) TOPOLOGY: linear
262      (ii) MOLECULE TYPE: other nucleic acid
263      (A) DESCRIPTION: /desc = "Primer"
268      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
270 AGCTTACCTC GGCCG                                     15
272 (2) INFORMATION FOR SEQ ID NO: 13:
274      (i) SEQUENCE CHARACTERISTICS:
275          (A) LENGTH: 15 base pairs
276          (B) TYPE: nucleic acid
277          (C) STRANDEDNESS: single
278          (D) TOPOLOGY: linear
280      (ii) MOLECULE TYPE: other nucleic acid
281      (A) DESCRIPTION: /desc = "Primer"
286      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
288 GATCCACCTC GGCCG                                     15
290 (2) INFORMATION FOR SEQ ID NO: 14:
292      (i) SEQUENCE CHARACTERISTICS:
293          (A) LENGTH: 43 base pairs
294          (B) TYPE: nucleic acid
295          (C) STRANDEDNESS: single
296          (D) TOPOLOGY: linear
298      (ii) MOLECULE TYPE: other nucleic acid
299      (A) DESCRIPTION: /desc = "Primer"
304      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
306 CTAATACGAC TCACTATAGG GCAGCGTGGT CGCGGCCGAG GTA      43
308 (2) INFORMATION FOR SEQ ID NO: 15:
310      (i) SEQUENCE CHARACTERISTICS:
311          (A) LENGTH: 660 base pairs
312          (B) TYPE: nucleic acid
313          (C) STRANDEDNESS: single
314          (D) TOPOLOGY: linear
316      (ii) MOLECULE TYPE: cDNA
321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
323 GATCCAAGCG AAAAAGGGAA TAAGAAGGGA GGAATGTAAC TAGGAGCAGC TCCCAACAGT      60
325 TTGCCTATGT ATTTGCCAGC ACCAAAATTT GTAGAGTAAG CCACTTACAT TTCCACTGCT      120
327 AGTATTAAGG AAAGACAGCA GTGGTGATTT TTATAAAGCG AGTATACATT TATTTTATT      180
329 CTGATATGTG AATTTTTCTT TCACGAGTTA ATTAAGTGGT AATTTGTAAA CAGTGGAAG      240

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331 AAGATTAGAA CAATTATGGA GGTACTGAAT TACACAAGGA GATTAAAATG AAATGAATCA      300
333 ATCTACCTAT CTTGTGGTTA GTTAATATTT ACCATGATGC ATACACTTGA GAAATGAGAA      360
335 ATGCCCAAAT TGTATAATGC ATTATCTTNN TTATTATTTA TTNNNGTAAA TAATTCTTGC      420
337 TNNACATTAN NCTNCAAGGN TAGCTNTATC TATACTTGNT AGCTANNTTC TTATACAAAG      480
339 CANGNTNCTT TTGAANATGA TTTACCNATT AANTANANNA GCTTAGGTGC CTNNTTTNAC      540
341 TCTGGNTNGT CATNTTGNNT NNCTTTTNNC NANATCATAT ATAATTTCCA NNGAATGTTG      600
343 ATNTNTNTCC TCANNTTNCA TTNTANCCNG NGCNTATCCT NTNNNTGNT NGNNTATGTC      660

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346 (2) INFORMATION FOR SEQ ID NO: 16:

348 (i) SEQUENCE CHARACTERISTICS:

349 (A) LENGTH: 526 base pairs

350 (B) TYPE: nucleic acid

351 (C) STRANDEDNESS: single

352 (D) TOPOLOGY: linear

354 (ii) MOLECULE TYPE: cDNA

359 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

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361 GATCCTGGTA TAATGTGATT GAATTATGAA GGCAAATTTT TCATGAATGG TTCAGCACCA      60
363 TCCCCTTGTA CCATCCTCAC AATAATGAGT AACTTCTCAT GAGATGTAGT CACTGAAATC      120
365 TCTATATCAC CTCCCCTC TCCTGTTTTT CTCCTTGCCA TGTGAGACAA TTGATTCTTT      180
367 CTTTGCCTTC CATGATTATT GAAAGATTTT TGAGGCCTAG AAGCAGAAGC ACTGTGCTTA      240
369 GAACCATGAG CCAATTAAAC CTCTTTTCA AAATAAATA TACGGGAAAT GGCAAATGAG      300
371 GACTGGAGCG TTGCTATAAA GATACCTGGA AATGTGGAAG CAGCTTTGGA ACCAGGTAAT      360
373 GGACGGAGGT TGGAGAGATT TGGAGGGCTC AAAAGAAGAC AGATGAGAAA ACTTTTGGAC      420
375 CATCTTAGAG TCTGGTTCAA TGGTTGTGAC AAAAATCCTG ACAGAAACAT GGACAGTGAA      480
377 GGCCAGGCTG AGGAGGTCTC AGAGAGAAAT AAGAAGCTTT TTGCAA      526

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379 (2) INFORMATION FOR SEQ ID NO: 17:

381 (i) SEQUENCE CHARACTERISTICS:

382 (A) LENGTH: 485 base pairs

383 (B) TYPE: nucleic acid

384 (C) STRANDEDNESS: single

385 (D) TOPOLOGY: linear

387 (ii) MOLECULE TYPE: cDNA

392 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

```

394 AAACATTATG CACAGAGGAA TAAAATTAAG AATGACCACA GTCTTCTCTT CAGAAATTAT      60
396 GCAAGCCAGA ATAGAGTAGA GCAACATCTT TACAGTTCTT AAAGAAAAAA TATATCAACT      120
398 TAGAATTCTA TACCCAGCAA AAATATATTT CAAAAAGAAG ACACAATACT TTTTCAGACA      180
400 GACAAAAGCC AAGAGAGTAA TTCCAGGGAC GTGTAATATA AGAAATATTA GTGAAAGTAG      240
402 TGTAAGAAGT GAGAGAGAGG AAATATAAGG ATACTGTTAT AATATCCCTA CACTGTACCT      300
404 TAAGTGGATT GTAATATTAT CTGAAGGTAA ACTGTAATAT GTTAAATAAA GATGTATATT      360
406 TTAAATCCTA GAGAAACTGC TATGAAAACA AAAAGTAAAA CAAAGTGGTA TTACTAACAA      420
408 GCCAATAATG GAGATAAAAT GGGCAATAGA AAACAACAAC AAAAATTCAA TCCAAAAGAA      480
410 GGAAG      485

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412 (2) INFORMATION FOR SEQ ID NO: 18:

414 (i) SEQUENCE CHARACTERISTICS:

415 (A) LENGTH: 183 base pairs

416 (B) TYPE: nucleic acid

417 (C) STRANDEDNESS: single

418 (D) TOPOLOGY: linear

420 (ii) MOLECULE TYPE: cDNA

425 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

VERIFICATION SUMMARY

DATE: 08/23/2002

PATENT APPLICATION: US/09/499,553

TIME: 12:06:02

Input Set: N:\Crf3\RULE60\09499553.raw

Output Set: N:\CRF3\08232002\I499553.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]